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Accession [AL162497](#) was first seen at NCBI on Mar 29 2000 11:12 PM

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Search	Most Recent Queries	Time	Result
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#1	Search Suematsu K	09:37:03	67

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gi|20545806|ref|XM_007095.6|

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Comment Features Sequence

LOCUS XM_007095 6997 bp mRNA

linear PRI 26-APR-2003

DEFINITION Homo sapiens insulin receptor substrate 2 (IRS2), mRNA.

ACCESSION XM_007095

VERSION XM_007095.6 GI:20545806

KEYWORDS

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 6997)

AUTHORS International Human Genome Sequencing Consortium.

TITLE The DNA sequence of Homo sapiens

JOURNAL Unpublished (2003)

COMMENT MODEL REFSEQ: This record is predicted by automated computational analysis. This record is derived from a genomic sequence (NT_009952) annotated using gene prediction method: BLAST,

supported by mRNA and EST evidence.

Also see:

Documentation of NCBI's Annotation Process

On May 13, 2002 this sequence version replaced

gi|18581715.

FEATURES

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BLAST Sequences

Find regions of similarity between this sequence and other sequences using BLAST.

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Design and test primers for this sequence using Primer-BLAST.

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gi|20545806|ref|XM_007095.6|

XM_007095.6(1) Nucleotide

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and various	proteins. PH domains have been found to
possess inserted	domains (such as in PLC gamma,
syntrophins) and to be	inserted within other domains.
Mutations in Brutons	tyrosine kinase (Btk) within its PH
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Point mutations	cluster into the positively charged end
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6961 catctgcaat aaaaataagt acattattta tgaatgt

```

//

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GenBank: AL162497.20

Human DNA sequence from clone RP11-313L9 on chromosome 13 Contains a novel gene, the IRS2 gene for insulin receptor substrate 2 and two CpG islands, complete sequence

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LOCUS AL162497 143409 bp DNA
linear PRI 13-JAN-2009
DEFINITION Human DNA sequence from clone RP11-313L9 on chromosome 13 Contains a novel gene, the IRS2 gene for insulin receptor substrate 2 and two CpG islands, complete sequence.
ACCESSION AL162497
VERSION AL162497.20 GI:14329908
KEYWORDS RTG; CpG island; insulin receptor; IRS2.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata;
Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates;
Haplorrhini;
Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 143409)
AUTHORS Mashreghi-Mohammadi, M.
TITLE Direct Submision
JOURNAL Submitted (09-JAN-2009) Wellcome Trust Sanger Institute, Hinxton, Cambridgeshire, CB10 1SA, UK. E-mail enquiries: vega@sanger.ac.uk
Clone requests: [Geneservice](http://www.geneservice.co.uk/) (<http://www.geneservice.co.uk/>) and BACPAC Resources (<http://bacpac.chori.org/>)
COMMENT On Jun 8, 2001 this sequence version replaced gi:14280403.

----- Genome Center
Center: Wellcome Trust Sanger Institute
Center code: SC
Web site: <http://www.sanger.ac.uk>
Contact: vega@sanger.ac.uk

This sequence was finished as follows unless otherwise noted: all regions were either double-stranded or sequenced with an alternate chemistry or covered by high quality data (i.e., phred quality >= 30); an attempt was made to resolve all sequencing problems, such as compressions and repeats; all regions were covered by at least one subclone; and the assembly was confirmed by

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[Pick Primers](#)

Homologs of IRS2

The IRS2 gene is conserved in chimpanzee, dog, mouse, rat, chicken, and zebrafish.

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Human DNA sequence from clone

[AL162497 \(1\) Nucleotide](#)

metalloproteinase
[Crithidia fasciculata]

[162497 \(0\) Nucleotide](#)

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[OMIM](#)

193f

restriction digest,
except on the rare occasion of the clone being
a YAC.

The following abbreviations are used to
associate primary accession
numbers given in the feature table with their
source databases:

Em:, EMBL; Sw:, SWISSPROT; Tr:, TREMBL; Wp:,
WORMPEP; Information
on the WORMPEP database can be found at

http://www.sanger.ac.uk/Projects/C_elegans/wormpep

This sequence was generated from part of
bacterial clone contigs of
human chromosome 13, constructed by the Sanger
Centre Chromosome 13
Mapping Group. Further information can be
found at

<http://www.sanger.ac.uk/HGP/Chr13>

IMPORTANT: This sequence is not the entire
insert of clone
RP11-313L9. It may be shorter because we
sequence overlapping
sections only once, except for a short overlap.
During sequence assembly data is compared from
overlapping clones.

Where differences are found these are
annotated as variations
together with a note of the overlapping clone
name. Note that the
variation annotation may not be found in the
sequence submission
corresponding to the overlapping clone, as we
submit sequences with
only a small overlap.

The true right end of clone RP11-358F13 is at
100 in this sequence.

The true left end of clone RP11-40E6 is at
100074 in this sequence.

The true right end of clone RP11-313L9 is at
143409 in this
sequence.

RP11-313L9 is from the library RPCI-11.2
constructed by the group

of Pieter de Jong. For further details see
<http://bacpac.chori.org/>

VECTOR: pBAC3.6.

FEATURES

source

Location/Qualifiers

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/organism="Homo sapiens"

/mol_type="genomic DNA"

/db_xref="taxon:9606"

/chromosome="13"

/clone="RP11-313L9"

/clone_lib="RPCI-11.2"

misc_feature

101..143409

/note="annotated region of clone"

gene

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/locus_tag="RP11-313L9.1-001"

mRNA

join

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/locus_tag="RP11-313L9.1-001"

/product="novel transcript"

/note="match: ESTs: Em:AW816149.1"

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/gene="IRS2"

/locus_tag="RP11-313L9.2-001"

complement(join

mRNA

SNP
UniSTS
LinkOut

Priority date: July 29, 2003

Seq. No. 18

VAL 162497 (Version 20 Oct. 13, 2002)

Genome containing IRS-2 gene

